

AUDIO 151 - AUDIO PROJECT I

COURSE LEARNING OUTCOMES (CLOs)

1. Apply basic audio recording/mixing techniques for audio projects.
2. Use skills in interpersonal communication and intercultural fluency, enabling students to communicate meaningfully and constructively with a variety of people.
3. Apply fundamentals of signal flow.
4. Practice and demonstrate fundamentals of microphone selection and placement.
5. Apply fundamentals of gain structuring.
6. Apply fundamentals of console operation.
7. Learn fundamentals of critical listening.
8. Learn fundamentals of non-destructive editing.

COURSE OUTLINE

- I. Planning the project
 - A. Scheduling
 - B. Pre-session planning sheet
 - C. Pre-session tracking sheet
 - D. Submission of rough recording
 - E. Pre-session meetings
 - F. Students discuss need for accurate preservation of any culturally specific audio documentation.
 - G. Students discuss need to recognize culturally based assumptions and their influence on perception and behavior.
 - H. Students discuss global, economic, social, political, scientific and environmental issues as they relate to the recording project.
- II. Setting up for recording
 - A. Instrument placement
 - B. Microphone placement and cabling
 - C. Headphone set-up
 - D. Setting up the board
 - i. Input signal flow
 - ii. Bussing and patching
 - iii. Headphone mixes
 - iv. Monitoring
 - E. Preparing the multitrack
 - F. Gain structure
 - i. Input levels
 - ii. Headphone levels
 - iii. Multitrack levels

iv. Compression hook-up and adjust

- III. Record the project
 - A. Basic tracks
 - B. Punch-ins
 - C. Overdubs
 - D. Critical listening
 - E. Tear down and put away gear

- IV. Preparing for mixdown
 - A. Setting up the board
 - B. Prepare the multitrack
 - C. Prepare the two track mastering unit

- V. Mixdown
 - A. Input levels
 - B. Panning
 - C. Equalization
 - D. Signal processing
 - E. Effects patching and adjustment
 - F. Balancing the mix
 - G. Critical listening
 - H. Perform the final mixdown to two-track
 - I. Playback and review
 - J. Burn test CD and review

- VI. Mastering
 - A. Cropping
 - B. Normalizing and leveling
 - C. Fade-ins and fade-outs
 - D. Assembling the tracks
 - E. Start times
 - F. Compression
 - G. Equalization
 - H. Burn the CD
 - I. Create a CD insert